

# TEST REPORT

**FCC ID: 2AEHZ-PLUS**

**Product: Smart Phone**

**Model No.: PLUS**

**Additional Model No.: N/A**

**Trade Mark: FTC**

**Report No.: TCT150410E016**

**Issued Date: May 15, 2015**

Issued for:

**FENIX TRADING COMPANY S.A.**

**1410 Spain Av., La Torre Building 2nd Floor. Asuncion, Paraguay.**

Issued By:

**Shenzhen Tongce Testing Lab.**

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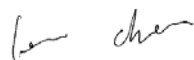
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**1. Test Certification**

|                              |                                                                                               |
|------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Product:</b>              | Smart Phone                                                                                   |
| <b>Model No.:</b>            | PLUS                                                                                          |
| <b>Additional Model No.:</b> | N/A                                                                                           |
| <b>Applicant:</b>            | FENIX TRADING COMPANY S.A.                                                                    |
| <b>Address:</b>              | 1410 Spain Av., La Torre Building 2nd Floor.Asuncion, Paraguay.                               |
| <b>Manufacturer:</b>         | Shenzhen Crave Communication Co., LTD.                                                        |
| <b>Address:</b>              | Floor 3 Bldg8,DongFangMing Industrial City,No.83 DabaoRd.,<br>33 DistrictBaoan Shenzhen China |
| <b>Date of Test:</b>         | Apr. 10 - May 15, 2015                                                                        |
| <b>Applicable Standards:</b> | FCC CFR Title 47 Part 15 Subpart C Section 15.247<br>KDB 558074 D01 DTS Meas Guidance v03r02  |

The above equipment has been tested by Shenzhen Tongce Testing Lab. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

**Tested By:****Leon Chen****Date:****May 15, 2015****Reviewed By:****Joe Zhou****Date:****May 18, 2015****Approved By:****Tomsin****Date:****May 18, 2015**

## 2. Test Result Summary

| Requirement                      | CFR 47 Section      | Result |
|----------------------------------|---------------------|--------|
| Antenna requirement              | §15.203/§15.247 (c) | Pass   |
| AC Power Line Conducted Emission | §15.207             | Pass   |
| Conducted Peak Output Power      | §15.247 (b)(3)      | Pass   |
| 6dB Emission Bandwidth           | §15.247 (a)(2)      | Pass   |
| Power Spectral Density           | §15.247 (e)         | Pass   |
| Band Edge                        | §15.247(d)          | Pass   |
| Spurious Emission                | §15.205/§15.209     | Pass   |

**Note:**

1. Pass: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.

### 3. EUT Description

|                               |                                    |
|-------------------------------|------------------------------------|
| <b>Product Name:</b>          | Smart Phone                        |
| <b>Model :</b>                | PLUS                               |
| <b>Additional Model:</b>      | N/A                                |
| <b>Trade Mark:</b>            | FTC                                |
| <b>Operation Frequency:</b>   | 2402MHz~2480MHz                    |
| <b>Channel Separation:</b>    | 2MHz                               |
| <b>Number of Channel:</b>     | 40                                 |
| <b>Modulation Technology:</b> | GFSK                               |
| <b>Antenna Type:</b>          | Internal Antenna                   |
| <b>Antenna Gain:</b>          | 1.4dBi                             |
| <b>Power Supply:</b>          | Rechargeable Li-ion Battery DC3.7V |

#### Operation Frequency each of channel

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 0       | 2402MHz   | 10      | 2422MHz   | 20      | 2442MHz   | 30      | 2462MHz   |
| 1       | 2404MHz   | 11      | 2424MHz   | 21      | 2444MHz   | 31      | 2464MHz   |
| ...     | ...       | ...     | ...       | ...     | ...       | ...     | ...       |
| 8       | 2418MHz   | 18      | 2438MHz   | 28      | 2458MHz   | 38      | 2478MHz   |
| 9       | 2420MHz   | 19      | 2440MHz   | 29      | 2460MHz   | 39      | 2480MHz   |

Remark: Channel 0, 19 & 39 have been tested.

## 4. General Information

### 4.1. Test environment and mode

| Operating Environment:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Temperature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 25.0 °C                                                                   |
| Humidity:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 56 % RH                                                                   |
| Atmospheric Pressure:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1010 mbar                                                                 |
| Test Mode:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                           |
| Engineering mode:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Keep the EUT in continuous transmitting by select channel and modulations |
| <p>The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y &amp; Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.</p> |                                                                           |

### 4.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Equipment | Model No. | Serial No. | FCC ID | Trade Name |
|-----------|-----------|------------|--------|------------|
| /         | /         | /          | /      | /          |

**Note:**

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

## 5. Facilities and Accreditations

### 5.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 572331

Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

- CNAS - Registration No.: CNAS L6165

Shenzhen TCT Testing Technology Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6165.

### 5.2. Location

Shenzhen Tongce Testing Lab

Address: 1F, Leinuo Watch Building, Fuyong Town, Baoan Dist, Shenzhen, China

Tel: 86-755-36638142

### 5.3. Measurement Uncertainty

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

| No. | Item                          | MU                        |
|-----|-------------------------------|---------------------------|
| 1   | Conducted Emission            | $\pm 2.56\text{dB}$       |
| 2   | RF power, conducted           | $\pm 0.12\text{dB}$       |
| 3   | Spurious emissions, conducted | $\pm 0.11\text{dB}$       |
| 4   | All emissions, radiated(<1G)  | $\pm 3.92\text{dB}$       |
| 5   | All emissions, radiated(>1G)  | $\pm 4.28\text{dB}$       |
| 6   | Temperature                   | $\pm 0.1^{\circ}\text{C}$ |
| 7   | Humidity                      | $\pm 1.0\%$               |

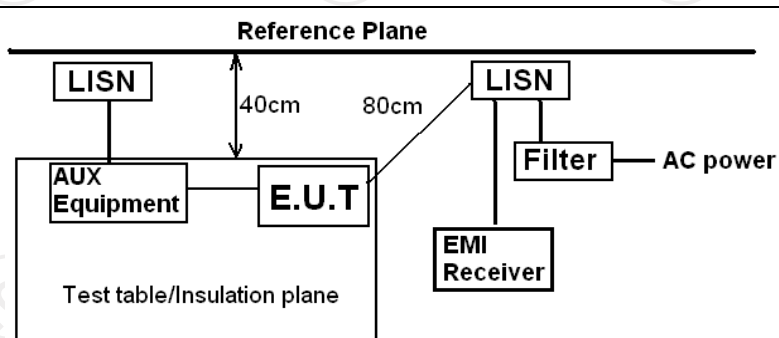
## 6. Test Results and Measurement Data

### 6.1. Antenna requirement

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>Standard requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FCC Part15 C Section 15.203 /247(c) |
| <p>15.203 requirement:<br/>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</p> <p>15.247(c) (1)(i) requirement:<br/>(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.</p> |                                     |
| <b>E.U.T Antenna:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |
| <p>The Bluetooth antenna is an internal PIFA antenna which permanently attached, and the best case gain of the antenna is 1.4dBi.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |

## 6.2. Conducted Emission

### 6.2.1. Test Specification

| Test Requirement:     | FCC Part15 C Section 15.207                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |              |  |            |         |          |           |           |       |    |    |      |    |    |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|--|------------|---------|----------|-----------|-----------|-------|----|----|------|----|----|
| Test Method:          | ANSI C63.4:2009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Frequency Range:      | 150 kHz to 30 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Receiver setup:       | RBW=9 kHz, VBW=30 kHz, Sweep time=auto                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Limits:               | <table><tr><th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (dBuV)</th></tr><tr><th>Quasi-peak</th><th>Average</th></tr><tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr><tr><td>0.5-5</td><td>56</td><td>46</td></tr><tr><td>5-30</td><td>60</td><td>50</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                               | Frequency range (MHz) | Limit (dBuV) |  | Quasi-peak | Average | 0.15-0.5 | 66 to 56* | 56 to 46* | 0.5-5 | 56 | 46 | 5-30 | 60 | 50 |
| Frequency range (MHz) | Limit (dBuV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |              |  |            |         |          |           |           |       |    |    |      |    |    |
|                       | Quasi-peak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Average               |              |  |            |         |          |           |           |       |    |    |      |    |    |
| 0.15-0.5              | 66 to 56*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 56 to 46*             |              |  |            |         |          |           |           |       |    |    |      |    |    |
| 0.5-5                 | 56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 46                    |              |  |            |         |          |           |           |       |    |    |      |    |    |
| 5-30                  | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50                    |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Test Setup:           | <div><p>Reference Plane</p><p>Remark:<br/>E.U.T: Equipment Under Test<br/>LISN: Line Impedance Stabilization Network<br/>Test table height=0.8m</p></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Test Mode:            | Charging + transmitting with modulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Test Procedure:       | <div><div>1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</div><div>2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</div><div>3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2009 on conducted measurement.</div></div> |                       |              |  |            |         |          |           |           |       |    |    |      |    |    |
| Test Result:          | PASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |              |  |            |         |          |           |           |       |    |    |      |    |    |

## 6.2.2. Test Instruments

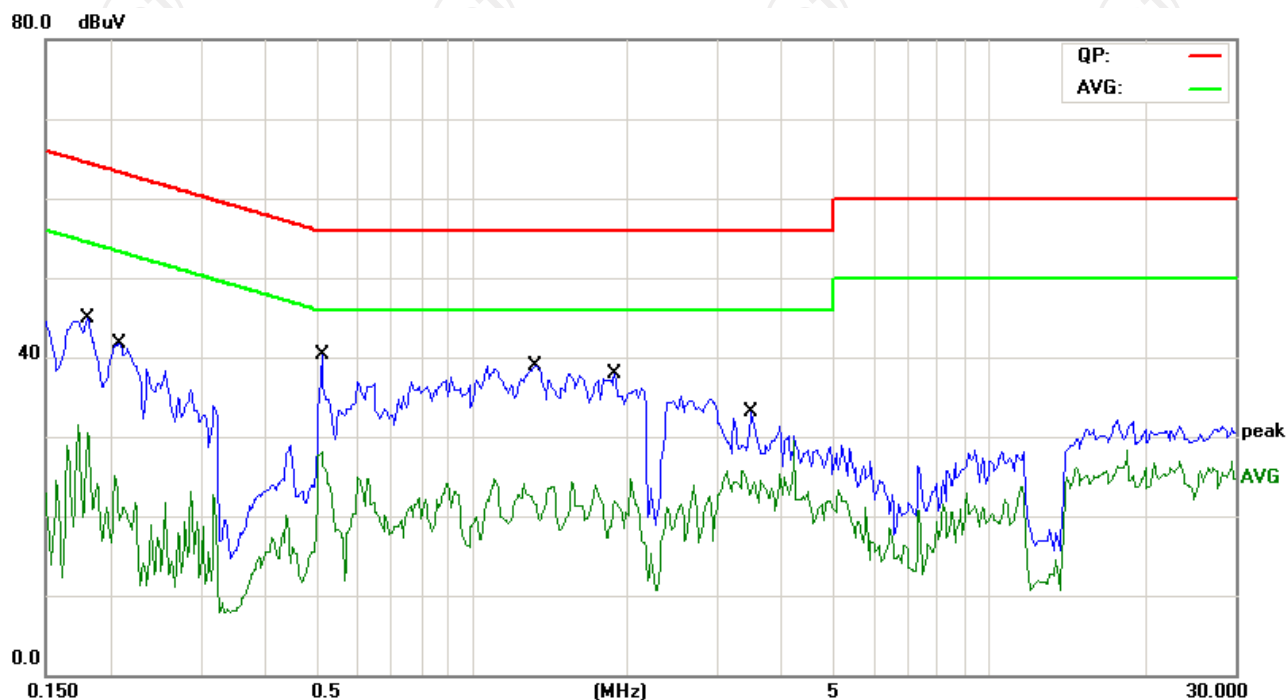
| Conducted Emission Shielding Room Test Site (843) |                    |           |               |                 |
|---------------------------------------------------|--------------------|-----------|---------------|-----------------|
| Equipment                                         | Manufacturer       | Model     | Serial Number | Calibration Due |
| EMI Test Receiver                                 | R&S                | ESCS30    | 100139        | Sep. 16, 2015   |
| LISN                                              | Schwarzbeck        | NSLK 8126 | 8126453       | Sep. 29, 2015   |
| LISN                                              | AFJ                | LS16C     | 16010947251   | Sep. 29, 2015   |
| Coax cable                                        | TCT                | CE-05     | N/A           | Sep.15 , 2015   |
| EMI Test Software                                 | Shurple Technology | EZ-EMC    | N/A           | N/A             |

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

## 6.2.3. Test data

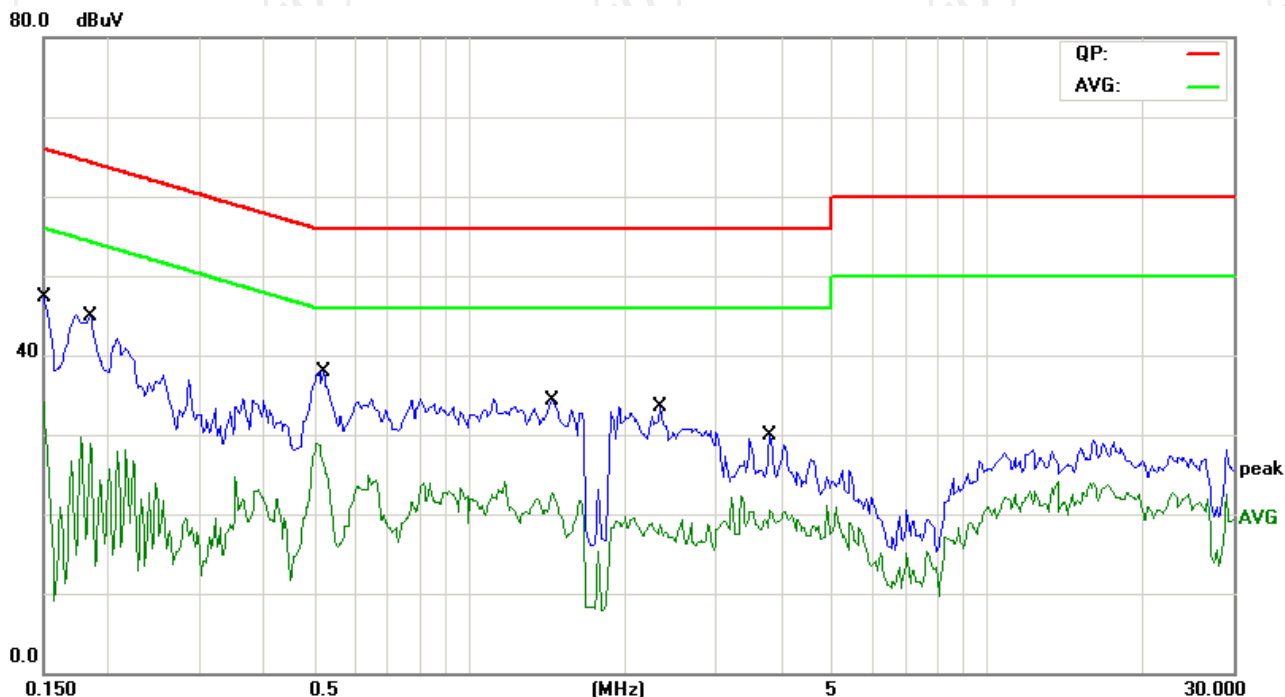
Please refer to following diagram for individual

### Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



| No. | Mk. | Freq.  | Reading Level | Correct Factor | Measurement | Limit | Over   |          |         |
|-----|-----|--------|---------------|----------------|-------------|-------|--------|----------|---------|
|     |     | MHz    | dBuV          | dB             | dBuV        | dBuV  | dB     | Detector | Comment |
| 1   |     | 0.1812 | 27.89         | 11.48          | 39.37       | 64.43 | -25.06 | QP       |         |
| 2   |     | 0.1812 | 13.39         | 11.48          | 24.87       | 54.43 | -29.56 | AVG      |         |
| 3   |     | 0.2086 | 24.10         | 11.46          | 35.56       | 63.26 | -27.70 | QP       |         |
| 4   |     | 0.2086 | 8.06          | 11.46          | 19.52       | 53.26 | -33.74 | AVG      |         |
| 5   |     | 0.5132 | 22.02         | 11.29          | 33.31       | 56.00 | -22.69 | QP       |         |
| 6   | *   | 0.5132 | 15.69         | 11.29          | 26.98       | 46.00 | -19.02 | AVG      |         |
| 7   |     | 1.3297 | 19.66         | 11.34          | 31.00       | 56.00 | -25.00 | QP       |         |
| 8   |     | 1.3297 | 6.74          | 11.34          | 18.08       | 46.00 | -27.92 | AVG      |         |
| 9   |     | 1.8883 | 18.57         | 11.63          | 30.20       | 56.00 | -25.80 | QP       |         |
| 10  |     | 1.8883 | 6.23          | 11.63          | 17.86       | 46.00 | -28.14 | AVG      |         |
| 11  |     | 3.4766 | 15.20         | 11.15          | 26.35       | 56.00 | -29.65 | QP       |         |
| 12  |     | 3.4766 | 4.68          | 11.15          | 15.83       | 46.00 | -30.17 | AVG      |         |

## Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBμV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBμV | Limit<br>dBμV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   |     | 0.1500       | 29.98                    | 11.52                   | 41.50                    | 65.99         | -24.49     | QP       |         |
| 2   |     | 0.1500       | 13.69                    | 11.52                   | 25.21                    | 55.99         | -30.78     | AVG      |         |
| 3   |     | 0.1852       | 27.83                    | 11.50                   | 39.33                    | 64.24         | -24.91     | QP       |         |
| 4   |     | 0.1852       | 11.77                    | 11.50                   | 23.27                    | 54.24         | -30.97     | AVG      |         |
| 5   |     | 0.5211       | 21.29                    | 11.30                   | 32.59                    | 56.00         | -23.41     | QP       |         |
| 6   | *   | 0.5211       | 13.60                    | 11.30                   | 24.90                    | 46.00         | -21.10     | AVG      |         |
| 7   |     | 1.4430       | 15.91                    | 11.41                   | 27.32                    | 56.00         | -28.68     | QP       |         |
| 8   |     | 1.4430       | 8.90                     | 11.41                   | 20.31                    | 46.00         | -25.69     | AVG      |         |
| 9   |     | 2.3336       | 13.69                    | 11.57                   | 25.26                    | 56.00         | -30.74     | QP       |         |
| 10  |     | 2.3336       | 4.69                     | 11.57                   | 16.26                    | 46.00         | -29.74     | AVG      |         |
| 11  |     | 3.8125       | 9.89                     | 11.05                   | 20.94                    | 56.00         | -35.06     | QP       |         |
| 12  |     | 3.8125       | 3.13                     | 11.05                   | 14.18                    | 46.00         | -31.82     | AVG      |         |

### Note:

Freq. = Emission frequency in MHz

Reading level (dBμV) = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss

Measurement (dBμV) = Reading level (dBμV) + Corr. Factor (dB)

Limit (dBμV) = Limit stated in standard

Margin (dB) = Measurement (dBμV) – Limits (dBμV)

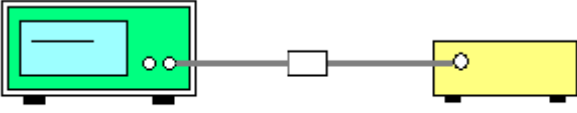
Q.P. =Quasi-Peak

AVG =average

\* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

### 6.3. Maximum Peak Conducted Output Power

#### 6.3.1. Test Specification

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (b)(3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Test Method:      | ANSI C63.4:2009 and KDB558074                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Limit:            | 30dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Test Setup:       |  <p style="text-align: center;">Spectrum Analyzer                      EUT</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Test Mode:        | Refer to item 4.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Test Procedure:   | <ol style="list-style-type: none"> <li>The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v03r02.</li> <li>Set spectrum analyzer as following: <ol style="list-style-type: none"> <li>Set the RBW <math>\geq</math> DTS bandwidth.</li> <li>Set VBW <math>\geq 3 \times</math> RBW.</li> <li>Set span <math>\geq 3 \times</math> RBW</li> <li>Sweep time = auto couple.</li> <li>Detector = peak.</li> <li>Trace mode = max hold.</li> <li>Allow trace to fully stabilize.</li> <li>Use peak marker function to determine the peak amplitude level.</li> </ol> </li> </ol> |
| Test Result:      | PASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

#### 6.3.2. Test Instruments

| Equipment         | Manufacturer | Model  | Serial Number | Calibration Due |
|-------------------|--------------|--------|---------------|-----------------|
| Spectrum Analyzer | Agilent      | N9020A | MY49100060    | Oct. 21, 2015   |

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

**6.3.3. Test Data**

| BT LE mode   |                                           |             |        |
|--------------|-------------------------------------------|-------------|--------|
| Test channel | Maximum Conducted Peak Output Power (dBm) | Limit (dBm) | Result |
| Lowest       | -4.088                                    | 30.00       | Pass   |
| Middle       | -4.092                                    | 30.00       | Pass   |
| Highest      | -4.121                                    | 30.00       | Pass   |

Test plots as follows:

## BT LE mode

Lowest channel



Middle channel

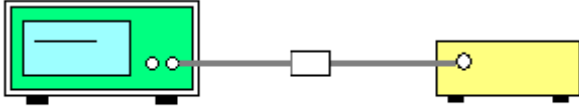


Highest channel



## 6.4. Emission Bandwidth

### 6.4.1. Test Specification

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (a)(2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Test Method:      | ANSI C63.4:2009 and KDB558074                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Limit:            | >500kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Test Setup:       |  <p style="text-align: center;">Spectrum Analyzer                      EUT</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Test Mode:        | Refer to item 4.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Test Procedure:   | <ol style="list-style-type: none"> <li>1. The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v03r02.</li> <li>2. The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v03r02.</li> <li>3. Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz.</li> <li>5. Measure and record the results in the test report.</li> </ol> |
| Test Result:      | PASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### 6.4.2. Test Instruments

| RF Test Room      |              |        |               |                 |
|-------------------|--------------|--------|---------------|-----------------|
| Equipment         | Manufacturer | Model  | Serial Number | Calibration Due |
| Spectrum Analyzer | Agilent      | N9020A | MY49100060    | Oct. 21, 2015   |

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

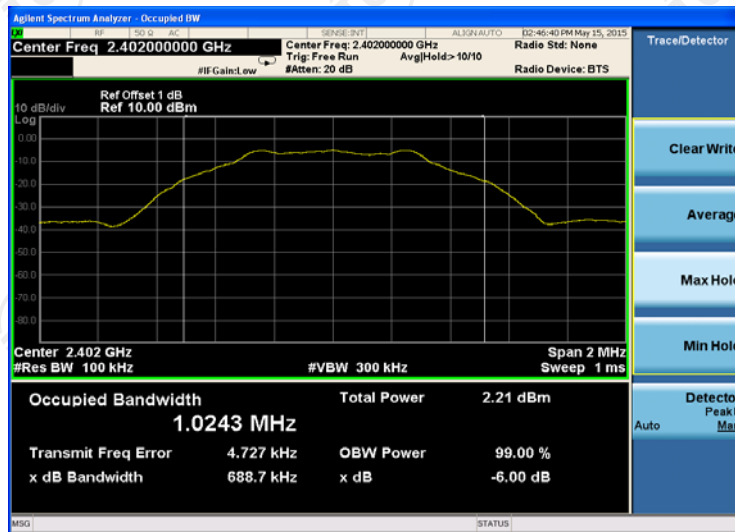
### 6.4.3. Test data

| Test channel | 6dB Emission Bandwidth (kHz) |       |        |
|--------------|------------------------------|-------|--------|
|              | BT LE mode                   | Limit | Result |
| Lowest       | 688.7                        | >500k | PASS   |
| Middle       | 692.9                        | >500k |        |
| Highest      | 697.0                        | >500k |        |

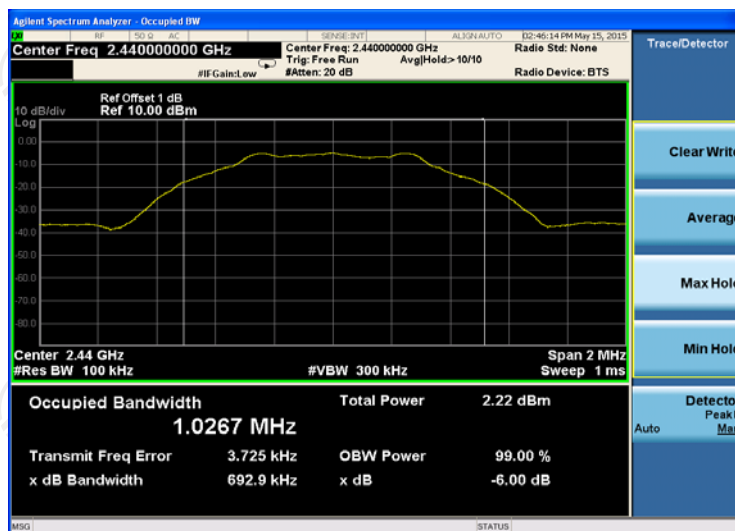
Test plots as follows:

## BT LE mode

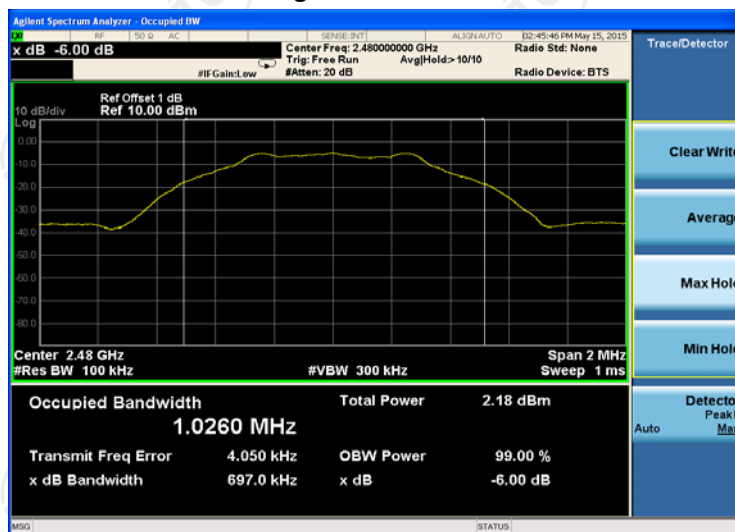
### Lowest channel



### Middle channel



### Highest channel



## 6.5. Power Spectral Density

### 6.6. Test Specification

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (e)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Test Method:      | ANSI C63.4:2009 and KDB558074                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Limit:            | The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Test Setup:       |  <p style="text-align: center;">Spectrum Analyzer                      EUT</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Test Mode:        | Refer to item 4.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Test Procedure:   | <ol style="list-style-type: none"> <li>1. The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v03r02</li> <li>2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>3. Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): <math>3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}</math>. Video bandwidth VBW <math>\geq 3 \times \text{RBW}</math>. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)</li> <li>5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.</li> <li>6. Measure and record the results in the test report.</li> </ol> |
| Test Result:      | PASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

#### 6.6.1. Test Instruments

| RF Test Room      |              |        |               |                 |
|-------------------|--------------|--------|---------------|-----------------|
| Equipment         | Manufacturer | Model  | Serial Number | Calibration Due |
| Spectrum Analyzer | Agilent      | N9020A | MY49100060    | Oct. 21, 2015   |

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

**6.6.2. Test data**

| Test channel | Power Spectral Density (dBm/3kHz) |           |        |
|--------------|-----------------------------------|-----------|--------|
|              | BT LE mode                        | Limit     | Result |
| Lowest       | -5.006                            | 8dBm/3kHz | PASS   |
| Middle       | -4.979                            | 8dBm/3kHz |        |
| Highest      | -5.029                            | 8dBm/3kHz |        |

Test plots as follows:

Lowest channel



Middle channel

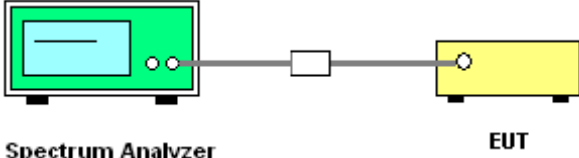


Highest channel



## 6.7. Conducted Band Edge and Spurious Emission Measurement

### 6.7.1. Test Specification

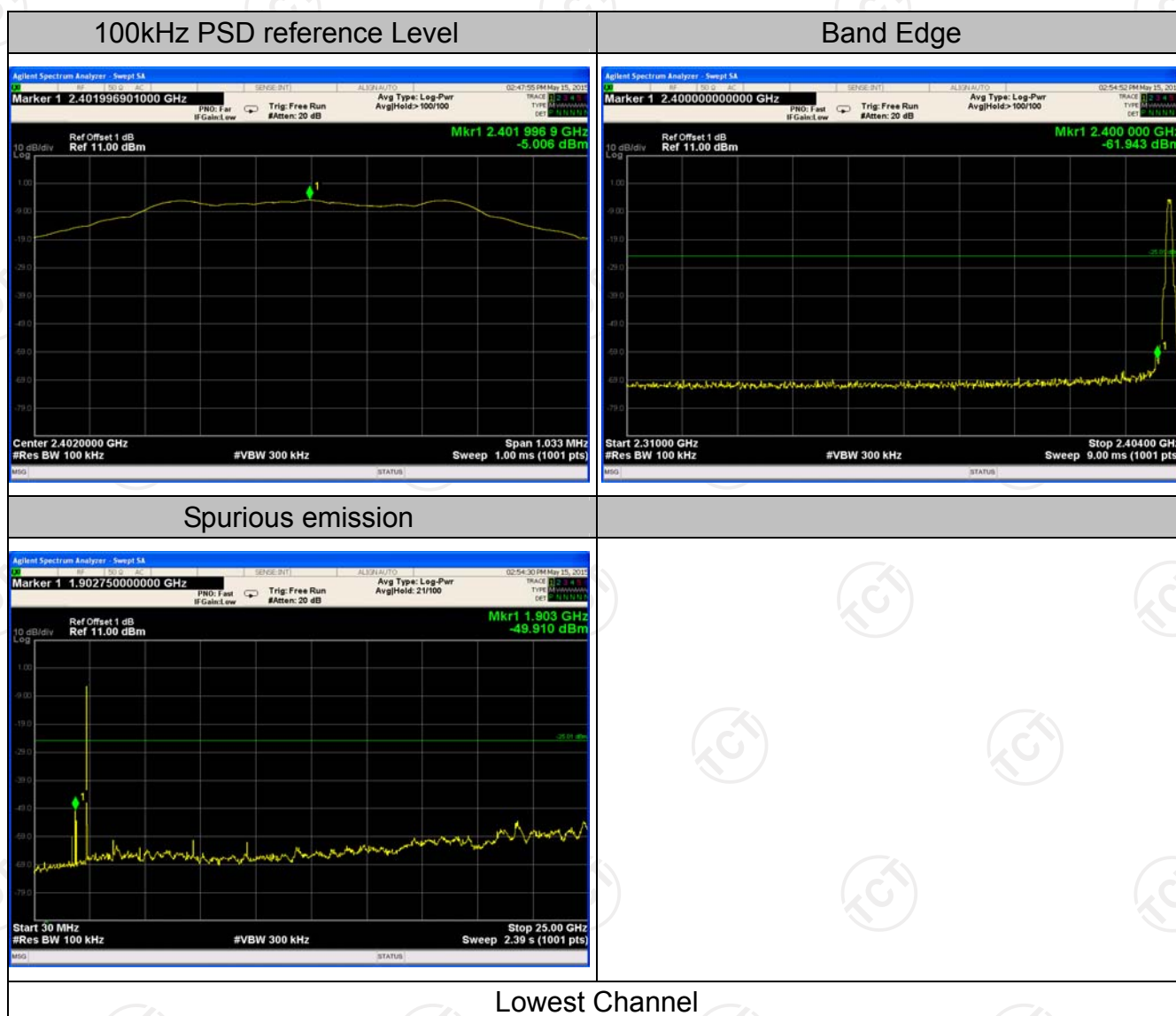
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Requirement:</b> | FCC Part15 C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Test Method:</b>      | ANSI C63.4:2009 and KDB558074                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Limit:</b>            | In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Test Setup:</b>       |  <p style="text-align: center;">Spectrum Analyzer                      EUT</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Test Mode:</b>        | Refer to item 4.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Test Procedure:</b>   | <ol style="list-style-type: none"> <li>1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r02.</li> <li>2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>3. Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).</li> <li>5. Measure and record the results in the test report.</li> <li>6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.</li> </ol> |
| <b>Test Result:</b>      | PASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## 6.7.2. Test Instruments

| RF Test Room      |              |        |               |                 |
|-------------------|--------------|--------|---------------|-----------------|
| Equipment         | Manufacturer | Model  | Serial Number | Calibration Due |
| Spectrum Analyzer | Agilent      | N9020A | MY49100060    | Oct. 21, 2015   |

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

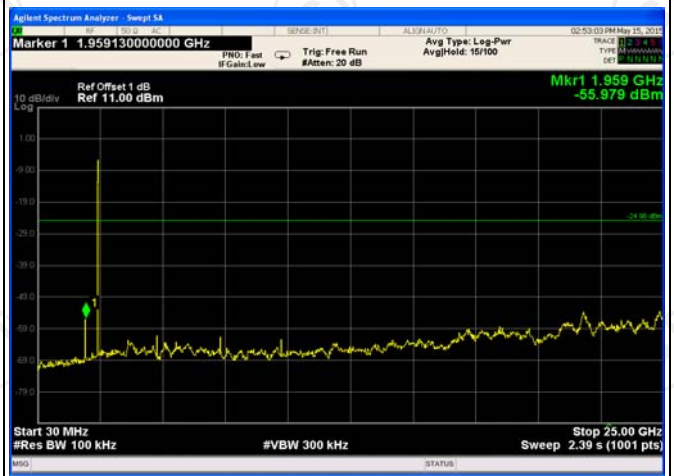
## 6.7.3. Test Data



## 100kHz PSD reference Level



## Spurious emission

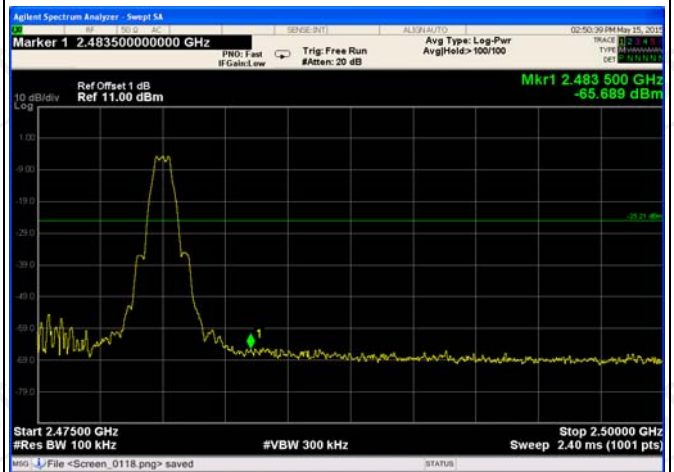


## Middle Channel

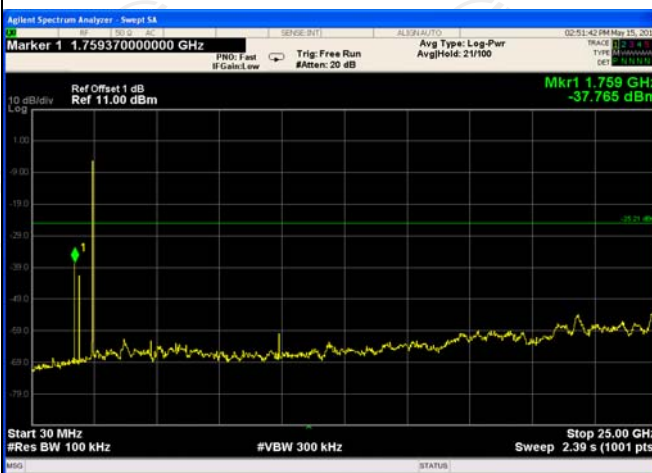
### 100kHz PSD reference Level



### Band Edge



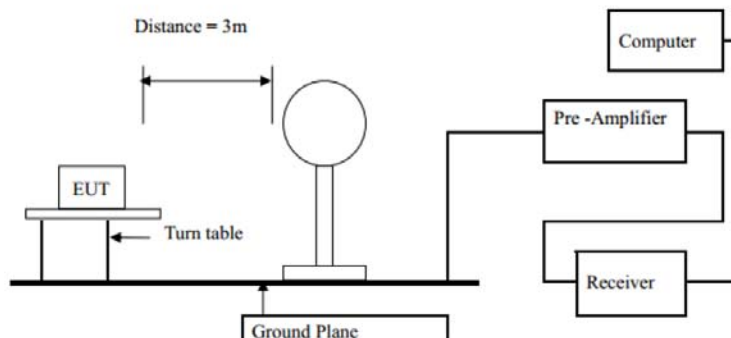
## Spurious emission

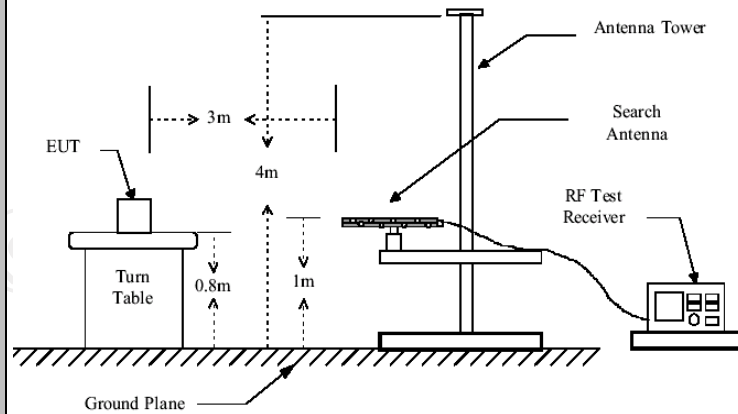


## Highest Channel

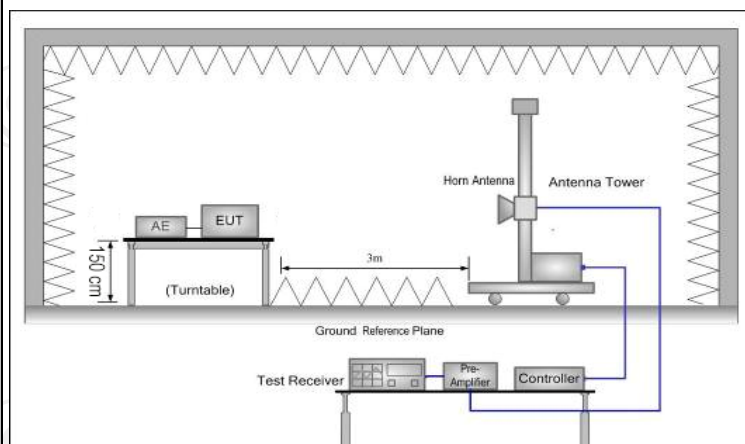
## 6.8. Radiated Spurious Emission Measurement

### 6.8.1. Test Specification

|                       |                                                                                      |            |                                   |                               |                               |
|-----------------------|--------------------------------------------------------------------------------------|------------|-----------------------------------|-------------------------------|-------------------------------|
| Test Requirement:     | FCC Part15 C Section 15.209                                                          |            |                                   |                               |                               |
| Test Method:          | ANSI C63.4: 2009 and ANSI C63.10: 2013                                               |            |                                   |                               |                               |
| Frequency Range:      | 9 kHz to 25 GHz                                                                      |            |                                   |                               |                               |
| Measurement Distance: | 3 m                                                                                  |            |                                   |                               |                               |
| Antenna Polarization: | Horizontal & Vertical                                                                |            |                                   |                               |                               |
| Operation mode:       | Refer to item 4.1                                                                    |            |                                   |                               |                               |
| Receiver Setup:       | Frequency                                                                            | Detector   | RBW                               | VBW                           | Remark                        |
|                       | 9kHz- 150kHz                                                                         | Quasi-peak | 200Hz                             | 1kHz                          | Quasi-peak Value              |
|                       | 150kHz- 30MHz                                                                        | Quasi-peak | 9kHz                              | 30kHz                         | Quasi-peak Value              |
|                       | 30MHz-1GHz                                                                           | Quasi-peak | 100KHz                            | 300KHz                        | Quasi-peak Value              |
|                       | Above 1GHz                                                                           | Peak       | 1MHz                              | 3MHz                          | Peak Value                    |
|                       |                                                                                      | Peak       | 1MHz                              | 10Hz                          | Average Value                 |
| Limit:                | Frequency                                                                            |            | Field Strength (microvolts/meter) |                               | Measurement Distance (meters) |
|                       | 0.009-0.490                                                                          |            | 2400/F(KHz)                       |                               | 300                           |
|                       | 0.490-1.705                                                                          |            | 24000/F(KHz)                      |                               | 30                            |
|                       | 1.705-30                                                                             |            | 30                                |                               | 30                            |
|                       | 30-88                                                                                |            | 100                               |                               | 3                             |
|                       | 88-216                                                                               |            | 150                               |                               | 3                             |
|                       | 216-960                                                                              |            | 200                               |                               | 3                             |
|                       | Above 960                                                                            |            | 500                               |                               | 3                             |
|                       | Frequency                                                                            |            | Field Strength (microvolts/meter) | Measurement Distance (meters) | Detector                      |
|                       | Above 1GHz                                                                           | 500        | 3                                 | Average                       |                               |
|                       | 5000                                                                                 | 3          | Peak                              |                               |                               |
| Test setup:           | For radiated emissions below 30MHz                                                   |            |                                   |                               |                               |
|                       |  |            |                                   |                               |                               |
|                       | 30MHz to 1GHz                                                                        |            |                                   |                               |                               |



Above 1GHz



## Test Procedure:

1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r02.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter above ground for test frequency below 1GHz and 1.5 meter above ground for test frequency above 1GHz.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
7. Use the following spectrum analyzer settings:  
(1) Span shall wide enough to fully capture the

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | <p>emission being measured;</p> <p>(2) Set RBW=100 kHz for <math>f &lt; 1</math> GHz; <math>VBW \geq RBW</math>; Sweep = auto; Detector function = peak; Trace = max hold;</p> <p>(3) Set RBW = 1 MHz, VBW= 3MHz for <math>f \geq 1</math> GHz for peak measurement.</p> <p>For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. <math>VBW \geq 1/T</math>, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.</p> |
| Test results: | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## 6.8.2. Test Instruments

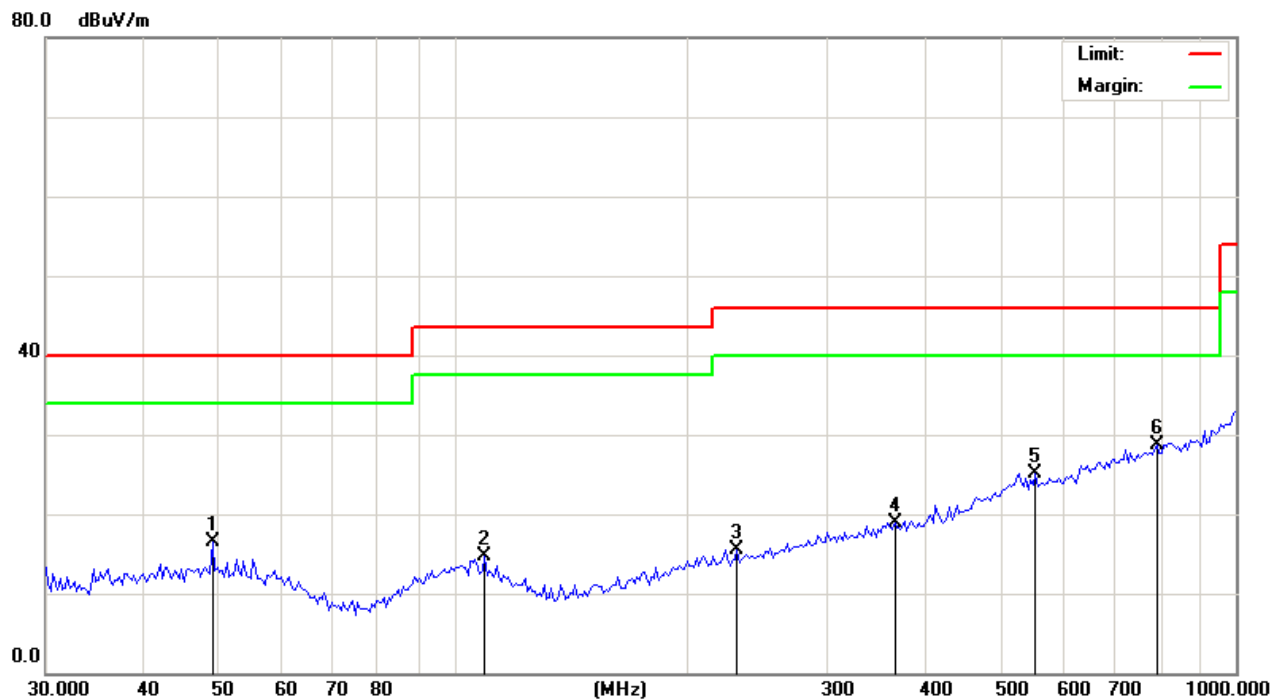
| Radiated Emission Test Site (966) |                                    |            |               |                 |
|-----------------------------------|------------------------------------|------------|---------------|-----------------|
| Name of Equipment                 | Manufacturer                       | Model      | Serial Number | Calibration Due |
| ESPI Test Receiver                | ROHDE&SCHW ARZ                     | ESVD       | 100008        | Sep.16 , 2015   |
| Spectrum Analyzer                 | ROHDE&SCHW ARZ                     | FSEM       | 848597/001    | Sep.16 , 2015   |
| Spectrum Analyzer                 | Agilent                            | N9020A     | MY49100060    | Oct. 21, 2015   |
| Pre-amplifier                     | EM Electronics Corporation CO.,LTD | EM30265    | 07032613      | Sep.16 , 2015   |
| Pre-amplifier                     | HP                                 | 8447D      | 2727A05017    | Sep.16 , 2015   |
| Loop antenna                      | ZHINAN                             | ZN30900A   | 12024         | Dec.14 , 2015   |
| Broadband Antenna                 | Schwarzbeck                        | VULB9163   | 340           | Sep.16 , 2015   |
| Horn Antenna                      | Schwarzbeck                        | BBHA 9120D | 631           | Sep.16 , 2015   |
| Horn Antenna                      | Schwarzbeck                        | BBHA 9170  | 373           | Sep.16 , 2015   |
| Coax cable                        | TCT                                | RE-low-01  | N/A           | Sep.15 , 2015   |
| Coax cable                        | TCT                                | RE-high-02 | N/A           | Sep.15 , 2015   |
| Coax cable                        | TCT                                | RE-low-03  | N/A           | Sep.15 , 2015   |
| Coax cable                        | TCT                                | RE-High-04 | N/A           | Sep.15 , 2015   |
| Antenna Mast                      | CCS                                | CC-A-4M    | N/A           | Sep.15 , 2015   |
| EMI Test Software                 | Shurple Technology                 | EZ-EMC     | N/A           | N/A             |

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

## 6.8.3. Test Data

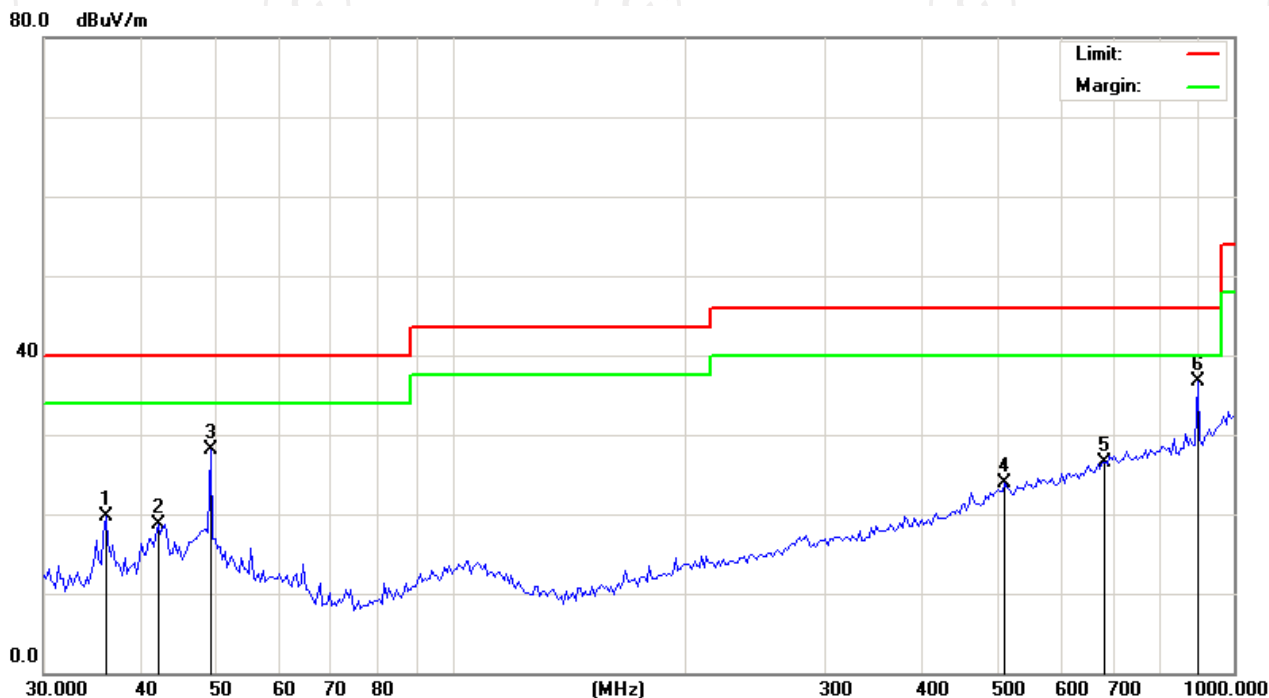
Please refer to following diagram for individual  
Below 1GHz

Horizontal:



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | cm             | degree       | Comment |
| 1   |     | 49.0627  | 28.54         | -12.08         | 16.46       | 40.00  | -23.54 | QP             | 0            |         |
| 2   |     | 109.3110 | 26.64         | -11.96         | 14.68       | 43.50  | -28.82 | QP             | 0            |         |
| 3   |     | 230.2295 | 26.24         | -10.64         | 15.60       | 46.00  | -30.40 | QP             | 0            |         |
| 4   |     | 366.0866 | 25.73         | -6.89          | 18.84       | 46.00  | -27.16 | QP             | 0            |         |
| 5   |     | 554.1708 | 27.60         | -2.41          | 25.19       | 46.00  | -20.81 | QP             | 0            |         |
| 6   | *   | 793.0281 | 27.29         | 1.37           | 28.66       | 46.00  | -17.34 | QP             | 0            |         |

Vertical:



| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Over   | Antenna | Table  |         |
|-----|-----|----------|---------|---------|----------|--------|--------|---------|--------|---------|
|     |     | MHz      | Level   | Factor  | ment     |        |        | Height  | Degree |         |
|     |     |          | dBuV    | dB      | dBuV/m   | dBuV/m | dB     | cm      | degree | Comment |
| 1   |     | 36.0140  | 32.60   | -12.97  | 19.63    | 40.00  | -20.37 | QP      | 0      |         |
| 2   |     | 42.0350  | 31.09   | -12.39  | 18.70    | 40.00  | -21.30 | QP      | 0      |         |
| 3   |     | 49.0627  | 40.26   | -12.08  | 28.18    | 40.00  | -11.82 | QP      | 0      |         |
| 4   |     | 509.3560 | 26.76   | -2.87   | 23.89    | 46.00  | -22.11 | QP      | 0      |         |
| 5   |     | 684.2260 | 26.75   | -0.20   | 26.55    | 46.00  | -19.45 | QP      | 0      |         |
| 6   | *   | 899.9577 | 34.12   | 2.67    | 36.79    | 46.00  | -9.21  | QP      | 0      |         |

**Note:** 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Highest channel) was submitted only.

## Test Result of Radiated Spurious at Band edges

Modulation Type: GFSK

Low channel: 2402 MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | Correction Factor (dB/m) | Peak Final Emission Level | Peak limit (dBμV/m) | AV limit (dBμV/m) |
|-----------------|---------------|---------------------|--------------------------|---------------------------|---------------------|-------------------|
| 2310            | H             | 38.25               | -4.20                    | 34.05                     | 74.00               | 54.00             |
| 2386.12         | H             | 40.17               | -4.20                    | 35.97                     | 74.00               | 54.00             |
| 2390            | H             | 42.33               | -3.94                    | 38.39                     | 74.00               | 54.00             |
| 2310            | V             | 37.62               | -4.20                    | 33.42                     | 74.00               | 54.00             |
| 2386.12         | V             | 40.45               | -4.20                    | 36.25                     | 74.00               | 54.00             |
| 2390            | V             | 41.86               | -3.94                    | 37.92                     | 74.00               | 54.00             |

Modulation Type: GFSK

Low channel: 2480 MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | Correction Factor (dB/m) | Peak Final Emission Level | Peak limit (dBμV/m) | AV limit (dBμV/m) |
|-----------------|---------------|---------------------|--------------------------|---------------------------|---------------------|-------------------|
| 2483.5          | H             | 33.56               | -3.60                    | 29.96                     | 74.00               | 54.00             |
| 2489.12         | H             | 33.06               | -3.50                    | 29.56                     | 74.00               | 54.00             |
| 2500            | H             | 32.18               | -3.34                    | 28.84                     | 74.00               | 54.00             |
| 2483.5          | V             | 32.73               | -3.60                    | 29.13                     | 74.00               | 54.00             |
| 2489.12         | V             | 32.53               | -3.50                    | 29.03                     | 74.00               | 54.00             |
| 2500            | V             | 32.49               | -3.34                    | 29.15                     | 74.00               | 54.00             |

### Note:

1. Peak Final Emission Level=Peak Reading + Correction Factor;
2. Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

## Above 1GHz

### Low channel: 2402 MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|-----------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
|                 |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 4804            | H             | 38.26               | ---               | 0.66                     | 38.92          | ---         | 74                  | 54                | -15.08      |
| 7206            | H             | 39.05               | ---               | 9.5                      | 48.55          | ---         | 74                  | 54                | -5.45       |
| ---             | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 4804            | V             | 37.55               | ---               | 0.66                     | 38.21          | ---         | 74                  | 54                | -15.79      |
| 7206            | V             | 40.12               | ---               | 9.5                      | 49.62          | ---         | 74                  | 54                | -4.38       |
| ---             | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

### Middle channel: 2440MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|-----------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
|                 |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 4880            | H             | 36.55               | ---               | 0.99                     | 37.54          | ---         | 74                  | 54                | -16.46      |
| 7320            | H             | 39.89               | ---               | 9.85                     | 49.74          | ---         | 74                  | 54                | -4.26       |
| ---             | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 4880            | V             | 37.02               | ---               | 0.99                     | 38.01          | ---         | 74                  | 54                | -15.99      |
| 7320            | V             | 39.78               | ---               | 9.85                     | 49.63          | ---         | 74                  | 54                | -4.37       |
| ---             | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

### High channel: 2480 MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|-----------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
|                 |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 4960            | H             | 38.52               | ---               | 1.33                     | 39.85          | ---         | 74                  | 54                | -14.15      |
| 7440            | H             | 40.02               | ---               | 10.22                    | 50.24          | ---         | 74                  | 54                | -3.76       |
| ---             | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 4960            | V             | 37.43               | ---               | 1.33                     | 38.76          | ---         | 74                  | 54                | -15.24      |
| 7440            | V             | 40.15               | ---               | 10.22                    | 50.37          | ---         | 74                  | 54                | -3.63       |
| ---             | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

#### Note:

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
2. Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
5. Data of measurement shown "---" in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

**\*\*\*\*\*END OF REPORT\*\*\*\*\***